04-60

#3   02-14-01

OIPE

ENTERED

see pages

RAW SEQUENCE LISTING   DATE: 02/05/2001
PATENT APPLICATION: US/09/768,020   TIME: 13:32:53

Input Set : A:\Ni4577.txt
Output Set: N:\CRF3\02052001\I768020.raw

```
   4 <110> APPLICANT: Greenspan, Ralph J.
   5        Edelman, Gerald M.
   7 <120> TITLE OF INVENTION: Method For Functional Mapping of An
   8        Alzheimer's Disease Gene Network and For Identifying
   9        Therapeutic Agents for the Treatment of Alzheimer's Disease
  12 <130> FILE REFERENCE: P-NI 4577
C-->  14 <140> CURRENT APPLICATION NUMBER: US/09/768,020
C-->  14 <141> CURRENT FILING DATE: 2001-01-23
  14 <150> PRIOR APPLICATION NUMBER: US 09/490,243
  15 <151> PRIOR FILING DATE: 2000-01-24
  17 <160> NUMBER OF SEQ ID NOS: 80
  19 <170> SOFTWARE: FastSEQ for Windows Version 4.0
  21 <210> SEQ ID NO: 1
  22 <211> LENGTH: 509
  23 <212> TYPE: DNA
  24 <213> ORGANISM: Drosophila melanogaster
  26 <400> SEQUENCE: 1
  27 gatagattcg tggccatctg taacccattg ttatactcag ttgctatgtc ccagaggctc 60
  28 tgcatccagc tagtggtggg tccctatgtc attggactca tgaataccat gactcacaca 120
  29 acaaatgcat tttgtctccc tttttgtggc cctaatgtca tcaatccttt cttctgtgat 180
  30 atgtccccct tcctttccct tgtatgtgct gataccaggc tcaataagtt ggcagttttc 240
  31 atcgtggctg gagctgtggg agtcttcagt ggcccgacta tcctgatttc ctacatttac 300
  32 atcctcatgg ccatcctgag gatgtccgct gatgggaggt gcagaacctt ttctacttgc 360
  33 tcttctcacc cgacagctgc tttcatctcg tatggtaccc tcttctttat ttatgtacat 420
  34 cccagtgcaa ccttctccct ggatctcaat aaagtagtgt ctgtgtttta cacagcagtg 480
  35 attcccatgc tcaacccctt catctgcag              509
  37 <210> SEQ ID NO: 2
  38 <211> LENGTH: 264
  39 <212> TYPE: DNA
  40 <213> ORGANISM: Drosophila melanogaster
  42 <400> SEQUENCE: 2
  43 gcaataaata cagacaatta tatatatttt tctataattt gtttcatttt atcattttat 60
  44 tgattgtgaa cgaaaaagga aaaaaataaa cttagaaaaa gataacaaat aaattgctaa 120
  45 atttaagcgc aaaagttcaa ttaataaaaa ttagaatttt aatactaaca taatttggac 180
  46 tatttatata tacatacgca tatatataca actctatata tgaataatta gtaacaaatc 240
  47 aaatcaattt ccataacaac cgct              264
  49 <210> SEQ ID NO: 3
  50 <211> LENGTH: 367
  51 <212> TYPE: DNA
  52 <213> ORGANISM: Drosophila melanogaster
  54 <400> SEQUENCE: 3
  55 tcttttttga attttattca attttaaagt acaattgcac gagtgatttt tgttgcactc 60
  56 gtcactaaga atatatatat attttttttgt tttttttttct ggcggttgtt atggaaattg 120
  57 atttgatttg ttactaatta ttcatatata gagttgtata tatatgcgta tgtatatata 180
  58 aatagtccaa attatgttaa tattaaaatt ctaatttta ttaattgaac ttttgcgctt 240
  59 aaatttagca atttatttgt tatctttttc taagtttatt tttttccttt ttcgttcaca 300
  60 atcaataaaa tgataaaatg aaacaaatta tagaaaata tatataattg tctgtatta 360
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RAW SEQUENCE LISTING   DATE: 02/05/2001
PATENT APPLICATION: US/09/768,020   TIME: 13:32:53

Input Set : A:\Ni4577.txt
Output Set: N:\CRF3\02052001\I768020.raw

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      61 ttgcgga                                                    367
      63 <210> SEQ ID NO: 4
      64 <211> LENGTH: 483
      65 <212> TYPE: DNA
      66 <213> ORGANISM: Drosophila melanogaster
      68 <220> FEATURE:
      69 <221> NAME/KEY: misc_feature
      70 <222> LOCATION: (1)...(483)
      71 <223> OTHER INFORMATION: n = A,T,C or G
      73 <400> SEQUENCE: 4
W--> 74 ttggtttgat aatgntcnta ctccaaaaac aaaacaataa tttatactgg tcntgnttgn 60
W--> 75 ttgtcataac ntcacagtag tatactcgnt cnttttggta ataatcccga aaaaactgna 120
W--> 76 ccgaatccag naanatatcc ccgtcaanaa aaaaaacata taaaatatga aatggtacat 180
W--> 77 aanaaatatg tccantccaa ccaaccaacc aaacaaccaa caacaaaca acaannacca 240
      78 accaacccaa aatcccaaat aaccgccaac aatccaaaat ggtaactaaa accattggtg 300
      79 aaaacaggat acaagccact tatcctaaca aacgccaggc tacactgaga aaataagcat 360
W--> 80 cgngagttgg tatggatagc agaaattacc catattcgtg gactaaaggt ggtgtactga 420
      81 ttgactgatt gattgacgtg ttgggtggtg aatacatata tttcgactgc atgccaagga 480
      82 ata                                                         483
      84 <210> SEQ ID NO: 5
      85 <211> LENGTH: 395
      86 <212> TYPE: DNA
      87 <213> ORGANISM: Drosophila melanogaster
      89 <400> SEQUENCE: 5
      90 tgtttgtatg tctactccaa aaacaaaaca ataatttata ctgtctgttg ttgtcataac 60
      91 tcacatatat actcgtcttt tgtatatccg aaaaactgac cgatccaaaa atatccccgc 120
      92 aaaaaaaaac atataaaata tgaatgtaca taaaaatatg tccatccaac caaccaacca 180
      93 aacaaccaac caacaaacaa caaaaccaac caacccaaaa tcccaaaaac cgccaacaat 240
      94 ccaaatgta actaaaacca ttgtgaaaac agatacaagc cacttatcct aacaaacgcc 300
      95 aggctacact gagaaaataa gcatcggagt tggtatggat agcagaaatt acccatattc 360
      96 gtggactaaa ggtggtgtac tgattgactg attga                        395
      98 <210> SEQ ID NO: 6
      99 <211> LENGTH: 188
     100 <212> TYPE: DNA
     101 <213> ORGANISM: Drosophila melanogaster
     103 <400> SEQUENCE: 6
     104 agtattttct ttagtttctt tgaggtgtgt tagcacactc attgttgctt tagcctagcg 60
     105 ctggtttatt aaatgttagc taagtttaaa ttatgtattt acagatgctg tgtgctagct 120
     106 cgaaagtgat aatttsgtgt tatttttgt gtatgggatt ttgataaatg ccttatgagt 180
     107 ttagaacg                                                    188
     109 <210> SEQ ID NO: 7
     110 <211> LENGTH: 186
     111 <212> TYPE: DNA
     112 <213> ORGANISM: Drosophila melanogaster
     114 <400> SEQUENCE: 7
     115 agtattttct ttagtttctt tgaggtgtgt tagcacactc attgttgctt tagcctagcg 60
     116 ctggtttatt aaatgttagc taagtttaaa ttatgtattt acagatgctg tgtgctagct 120
     117 cgaaagtgat aatttgtgtt attttttgtg tatgggattt tgataaatgc cttatgagtt 180
     118 tagaac                                                      186
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RAW SEQUENCE LISTING   DATE: 02/05/2001
PATENT APPLICATION: US/09/768,020   TIME: 13:32:53

Input Set : A:\Ni4577.txt
Output Set: N:\CRF3\02052001\I768020.raw

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    120 <210> SEQ ID NO: 8
    121 <211> LENGTH: 297
    122 <212> TYPE: DNA
    123 <213> ORGANISM: Drosophila melanogaster
    125 <400> SEQUENCE: 8
    126 acatttccat ggtttatttt aatgtgaagt taaactgcaa atttctagtc taagcgtagt 60
    127 agttaagatt agccttcttc ttcgcctgca cttccatgat ggcgtccatg aagtcttcgt 120
    128 gtgtaaccga gttggcggag cgacgcagtg cgatcatacc agcttccaca cagacggctt 180
    129 tgcactgggc gccgttgaag tcatccgtgg atcgggacaa ttcctcgaaa ttcacatcat 240
    130 tgctaacgtt cattttacgc gagtgaatct gcataatacg ggcacgggct tcctcgt   297
    132 <210> SEQ ID NO: 9
    133 <211> LENGTH: 710
    134 <212> TYPE: DNA
    135 <213> ORGANISM: Drosophila melanogaster
    137 <220> FEATURE:
    138 <221> NAME/KEY: misc_feature
    139 <222> LOCATION: (1)...(710)
    140 <223> OTHER INFORMATION: n = A,T,C or G
    142 <400> SEQUENCE: 9
    143 gatatatatt tttgtttatt ttaaaaaggt tgggtattga tttcagtacg tctcccattc 60
W--> 144 tagtaaatgg ttacttttaa nagccgttcc gatgttattt tataggcgat cttcnttgtg 120
    145 caactcagat cgaaactgaa aaatttttaca tttccatggt ttattttaat gtgaagttaa 180
    146 actgcaaatt tctagtctaa gcgtagtagt taagattagc cttcttcttc gcctgcactt 240
W--> 147 ccatgatggc gtccatgaat ctcgtgcgta accgaattgg cggancgacg cagtgcgatc 300
    148 ataccacttc cacacaaacg gtttgcactg ggcgccgttg aatcatccgt ggatcgggac 360
    149 atcctcgaaa tcacatcatg ctaactttca tttacgcaat gaattgcata atacggccgg 420
W--> 150 cttccccttg ggatttgaaa ncatctacat ccnangacca accccccaac cgatccaaan 480
W--> 151 tccccaatgg tcccaatcca aggnaattcn aattcccnct gnggcccact gcntaaggcc 540
W--> 152 atccccattn atcttaatcc ggcgcnttnn ctctnaggaa ccgnttccat atcctgncnn 600
W--> 153 cctccntggt tacaaagccc antccccatn ccnaaggaat gaccttcgct accgggtggt 660
W--> 154 ccntactntc nccaccnttc ttctctnctt cgtccacang gctnggcatg   710
    156 <210> SEQ ID NO: 10
    157 <211> LENGTH: 479
    158 <212> TYPE: DNA
    159 <213> ORGANISM: Drosophila melanogaster
    161 <400> SEQUENCE: 10
    162 gatatatatt tttgtttatt ttaaaaaggt tgggtattga tttcagtacg tctcccattc 60
    163 agtaaatggt tacttttaag agccgttccg atgttatttt aaaggcgatc ttcaaggtcg 120
    164 aactcagatc gaaactgaaa aatttttacat ttccatggtt tatttttaatg tgaagttaaa 180
    165 ctgcaaattt ctagtctaag cgtagtagtt aagattagcc ttcttcttcg cctgcacttc 240
    166 catgatggcg tccatgaagt cttcgtgcgt aaccgaattg gcggagcgac gcagtgcgat 300
    167 cataccagct tccacacaga cggctttgca ctggcgccg ttgaagtcat ccgtggatcg 360
    168 ggacaattcc tcgaaattca tcattgct aacgttcatt ttacgcgagt gaatctgcat 420
    169 aatacgggca cgggcttcct cgttgggatg tggaactcg atcttacgat ccagacgac 479
    171 <210> SEQ ID NO: 11
    172 <211> LENGTH: 355
    173 <212> TYPE: DNA
    174 <213> ORGANISM: Drosophila melanogaster
    176 <400> SEQUENCE: 11
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RAW SEQUENCE LISTING   DATE: 02/05/2001
PATENT APPLICATION: US/09/768,020   TIME: 13:32:53

Input Set : A:\Ni4577.txt
Output Set: N:\CRF3\02052001\I768020.raw

```
177 tggccccagg acgagcgttg cctcgcccga ggacgatata ccctgcccca taataatcct 60
178 aaacccatac cgaccggcag gtggtcttcc agaggagacg ataacgacgt agcgtgttcg 120
179 aaagggacag tggagtcagt ggtcggcaaa ggtggtccca ggacgagcgt ttgcctcgcc 180
180 cgaggacgat acaccctaac ccataacatc ataatcccag ccgggccgac tcgtcgtccg 240
181 tgtcaaggag caagcaggac cacggaggca aggcgttgca ggagaaatgc cgcaggagca 300
182 ccgagattgc cgaagaagtt atccataagg ctgtagaata aaatactata ataag      355
184 <210> SEQ ID NO: 12
185 <211> LENGTH: 171
186 <212> TYPE: DNA
187 <213> ORGANISM: Drosophila melanogaster
189 <400> SEQUENCE: 12
190 gtatgttaac aaaaattact aaccctataa acattaacgt ccatcgggac taaataaagc 60
191 aaatgtaaca cgtctagaca ttgacataat ccctgttcaa tatcacgcaa ttttaaacca 120
192 tccaacggca gcataaattt cttctccttc tcatcctcgt ccttacacac a          171
194 <210> SEQ ID NO: 13
195 <211> LENGTH: 170
196 <212> TYPE: DNA
197 <213> ORGANISM: Drosophila melanogaster
199 <400> SEQUENCE: 13
200 tatgttaaca aaaattacta accctataaa cattaacgtc catcgggact aaataaagca 60
201 aatgtaacac gtctagacat tgacataatc cctgttcaat atcacgcaat tttaaaccat 120
202 ccaacggcag cataaatttc ttctccttct catcctcgtc cttacacaca           170
204 <210> SEQ ID NO: 14
205 <211> LENGTH: 162
206 <212> TYPE: DNA
207 <213> ORGANISM: Drosophila melanogaster
209 <400> SEQUENCE: 14
210 gtatgttaac aaaaattact aaccctataa acattacgtc catcgggact aaataaagca 60
211 aatgtaacac gtctagacat tgacataaat ccctgttcaa tatcacgcaa ttttaaacca 120
212 tccaacggca gcataaattt cttctccttc tcatcctcgt cc                   162
214 <210> SEQ ID NO: 15
215 <211> LENGTH: 249
216 <212> TYPE: DNA
217 <213> ORGANISM: Drosophila melanogaster
219 <400> SEQUENCE: 15
220 ddtcaatagg wraaaatata gaataataaa gatatgaaty aaagattggg taaagagata 60
221 ggataaaamat agtaaaggaa gaaagtgtgc atggaattag aaattaggaa ttaggttttt 120
222 ttdtttttca gataaaagga maaagaagga aaaatttaaa gaaaggatat ggaaaaatga 180
223 gagaagaaat tatagagaaa ataatgcatg attgagaatg aagtaagaat tgagaggaat 240
224 waaattaag                                                        249
226 <210> SEQ ID NO: 16
227 <211> LENGTH: 709
228 <212> TYPE: DNA
229 <213> ORGANISM: Drosophila melanogaster
231 <220> FEATURE:
232 <221> NAME/KEY: misc_feature
233 <222> LOCATION: (1)...(709)
234 <223> OTHER INFORMATION: n = A,T,C or G
236 <400> SEQUENCE: 16
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RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/768,020

DATE: 02/05/2001
TIME: 13:32:53

Input Set : A:\Ni4577.txt
Output Set: N:\CRF3\02052001\I768020.raw

```
W--> 237 canataatgt ctctatcgct gtaataattc cancgtaaca cgaaggcaat gtgatcagta  60
W--> 238 natgagaaat tttatccatc tcttctattt ttgcaccagc tgccaacaat tcnttttttt 120
W--> 239 tttcgtctaa aatangaaaa tggcttaata gtgacatctc acttgatagc ttcagagaaa 180
     240 gcaaacgttt tcgcagcgcc agttgcgacg ccaaactttt tcgttcataa acggcgtcca 240
     241 aattctcaag aactgacgcg ccgtaatgtc cttgttgcga aattaaaaac aatccttagg 300
W--> 242 tacaantcnc gaagggcaat tctgcanata tccatcacac tggcggcgct cgaacatgca 360
W--> 243 ctananggcc aattcccta tagtgatcta ttacaatcct ggcgtcttta cactctgann 420
W--> 244 ggaaaccggc ntaccaatta tcnctgacca tcccttcnca cngnttnaac aaagcccnga 480
W--> 245 cccccanttg ccccgaagga aggaccctgt acgccntacc gnggtgngtn ccctactac 540
W--> 246 tcnccnancn tctttctttn ctnttccctc cggtccgtaa ccatgggcct tgtcatatct 600
W--> 247 cngccancna ntatnggagc cttggcccca aagntcccaa tgatctcnaa ngactcncga 660
W--> 248 nccccccgcc ntaataggat cangctgnna nacataatcn catcacngg              709
     250 <210> SEQ ID NO: 17
     251 <211> LENGTH: 468
     252 <212> TYPE: DNA
     253 <213> ORGANISM: Drosophila melanogaster
     255 <400> SEQUENCE: 17
     256 cagataatgt ctctatcgct gtaataattc catcgtaaca cgaaggcaat gtgatcagta  60
     257 gatgagaaat tttatccatc tcttctattt ttgcaccagc tgccaacaat tcacttagta 120
     258 agttcgtcaa aaatatgaaa atggcttaat agtgacatct cactcgatag cttcagagaa 180
     259 agcaaacgtt ttcgcagcgc cagttgcgac gccaaacttt ttcgttcata aacggcgtcc 240
     260 aaattctcaa gaatctgacg cgccgtaatg tcgcttgttg cgaaatttaa aaacgagtcg 300
     261 cttaggtacg aattcacgaa gggcgaattc tgcagatatc catcacactg gcggccgctc 360
     262 gagcatgcat ctagagggcc caattcgccc tatagtgagt cgtattacaa ttcactgcc 420
     263 gtcgttttac aacgtcgtga ctgggaaaac cctggcgtta cccaactt              468
     265 <210> SEQ ID NO: 18
     266 <211> LENGTH: 416
     267 <212> TYPE: DNA
     268 <213> ORGANISM: Drosophila melanogaster
     270 <400> SEQUENCE: 18
     271 cattgacttg gcaaaatgaa acaaaacaaa ttgaaatcta tttgtaatt acatttaagc  60
     272 ctaaaaacat atgattatat caaacactta gttttagtcg ataattgttt ataatttttc 120
     273 agacacacac acgcaacaca cacagacaca ttcaacttaa agtgcgtaac ataaagtaaa 180
     274 ataaataaat gaaaacacat taacacgaac aaaacaataa tcaagaactg gagcggattg 240
     275 ggttttcgttt tccagcgatt acctggagat caccatggca accagtcaca ctcatttaca 300
     276 cttggaatgc atgggagttc ttctatcaac taacaaatcc tatttcatat acaacacgtt 360
     277 aactatgttt gcttggttag ttcgcttttcc tgtcgcttgt tataagtaca caatat      416
     279 <210> SEQ ID NO: 19
     280 <211> LENGTH: 286
     281 <212> TYPE: DNA
     282 <213> ORGANISM: Drosophila melanogaster
     284 <400> SEQUENCE: 19
     285 tcaaagcagg tgcaacgttg tacatacata tatagaaaga acaaaatgag agagatcaat  60
     286 ctgtaacttg aatgtggtta agtaaagagg tgcatatata tttttttaca cgcgtatata 120
     287 gtttgcgttt ttcgctttcc acacaagata cgtacttcgt agccccccctt ccccttttcca 180
     288 aatactgtat cacaaagatc ataactcaaa atgctattgc tttgacttac atcttatttc 240
     289 ggtggtgtca actcgccac catacgaaaa tacataaatt atagcg                   286
     291 <210> SEQ ID NO: 20
     292 <211> LENGTH: 706
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file://C:\CRF3\Outhold\VsrI768020.htm

2/5/01

VERIFICATION SUMMARY
PATENT APPLICATION: US/09/768,020

DATE: 02/05/2001
TIME: 13:32:54

Input Set : A:\Ni4577.txt
Output Set: N:\CRF3\02052001\I768020.raw

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L:14 M:270 C: Current Application Number differs, Replaced Current Application No
L:14 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:74 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4
L:75 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4
L:76 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4
L:77 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4
L:80 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4
L:144 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9
L:147 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9
L:150 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9
L:151 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9
L:152 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9
L:153 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9
L:154 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9
L:237 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16
L:238 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16
L:239 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16
L:242 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16
L:243 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16
L:244 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16
L:245 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16
L:246 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16
L:247 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16
L:248 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16
L:306 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:20
L:307 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:20
L:308 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:20
L:309 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:20
L:310 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:20
L:311 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:20
L:312 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:20
L:313 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:20
L:329 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:21
L:332 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:21
L:363 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:23
L:367 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:23
L:369 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:23
L:370 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:23
L:389 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:24
L:443 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:28
L:444 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:28
L:445 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:28
L:446 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:28
L:447 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:28
L:448 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:28
L:449 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:28
L:450 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:28
L:464 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:29
```

VERIFICATION SUMMARY
PATENT APPLICATION: US/09/768,020

DATE: 02/05/2001
TIME: 13:32:54

Input Set : A:\Ni4577.txt
Output Set: N:\CRF3\02052001\I768020.raw

```
L:465 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:29
L:468 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:29
L:469 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:29
L:470 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:29
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